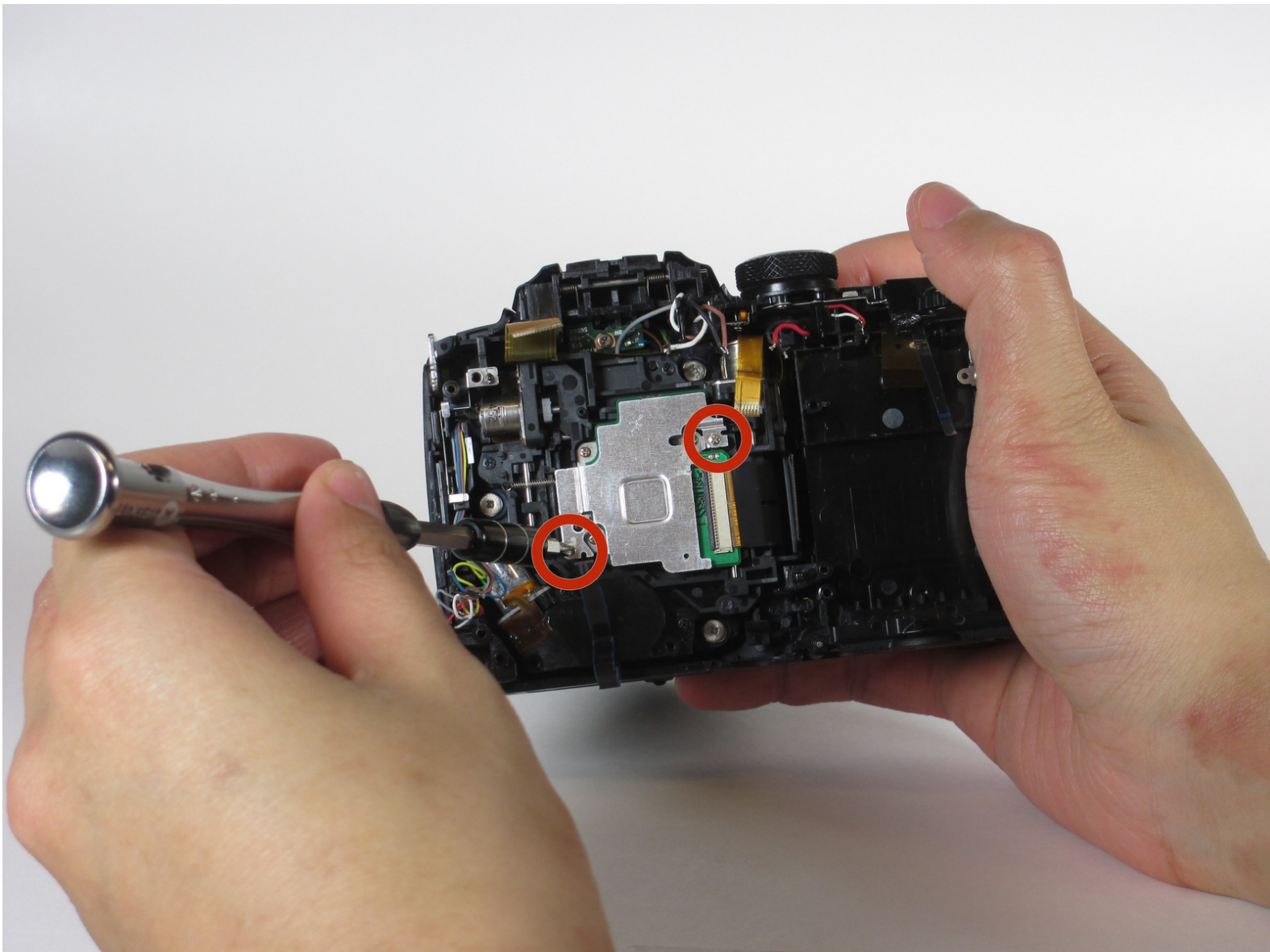




Nikon COOLPIX P500 Image Sensor Replacement

Written By: Kevin Scott



INTRODUCTION

This guide will demonstrate how to remove the image sensor of your camera.

TOOLS:

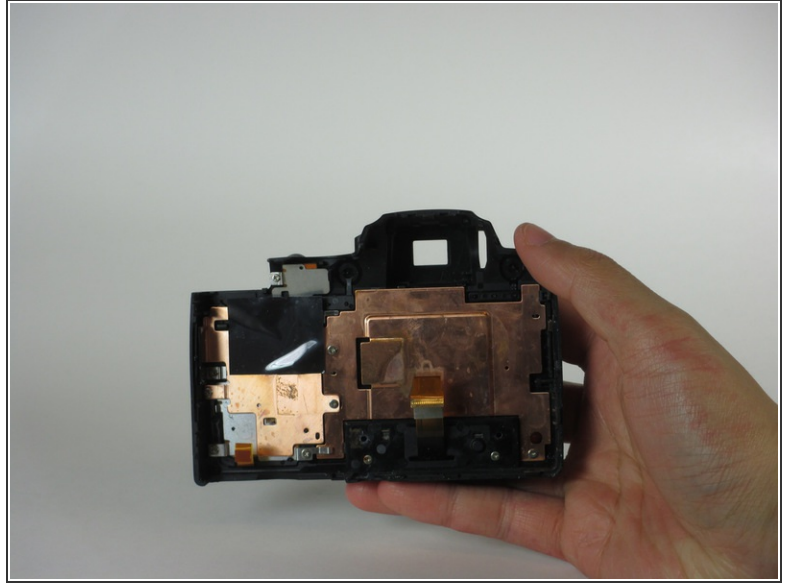
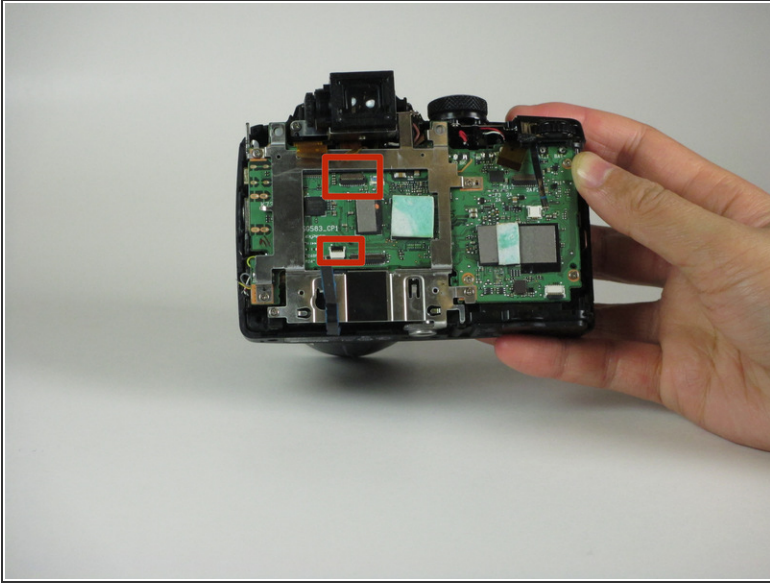
- [Spudger](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Soldering Station](#) (1)
-

Step 1 — Motherboard



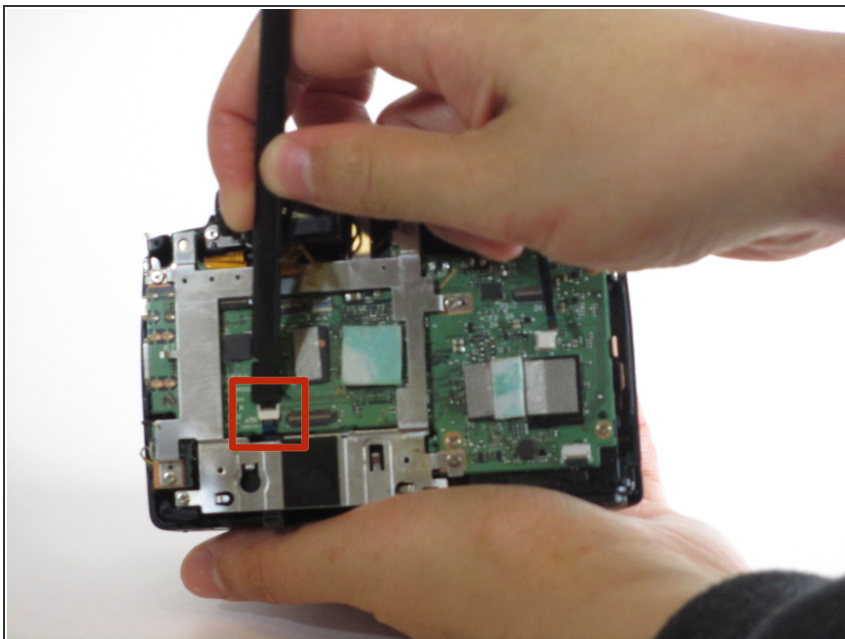
- Remove all the marked screws using a PH00 screwdriver.
- Remove the two 3mm screws on the grip.
- Remove the two 4mm screws on the side opposite the grip.
- Remove the three 4mm screws on the base of the camera.
- Remove the four 3mm screws on the base of the camera.

Step 2



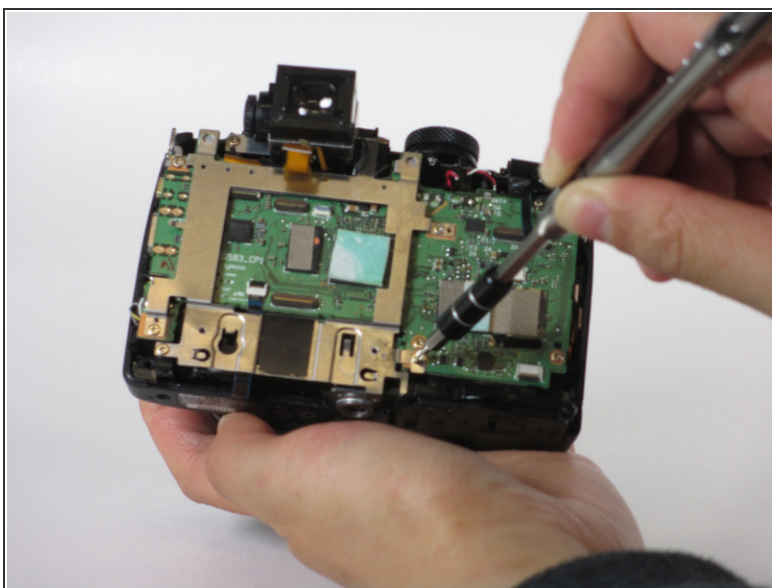
- Separate the two parts of the body of the camera slightly.
- Release the two cables by lifting up their respective clips with a spudger.
- ⓘ Make sure not to pull too hard because there are connector ribbons.
- ⓘ Detach the connector ribbons before fully separating the camera into two pieces.
- ⓘ These pictures were taken after the connector ribbons were released and the camera was separated into two parts. You will need to release the connector ribbons while the camera is still in one piece before you can separate it like the pictures.

Step 3



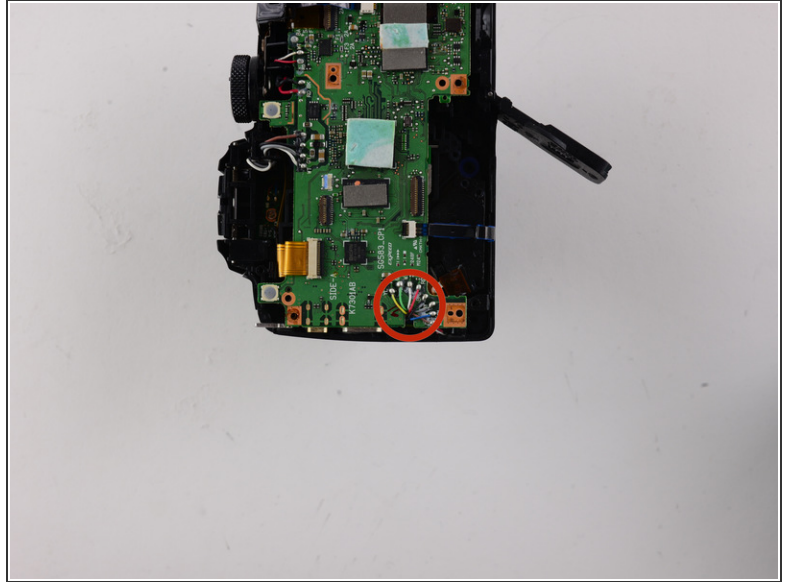
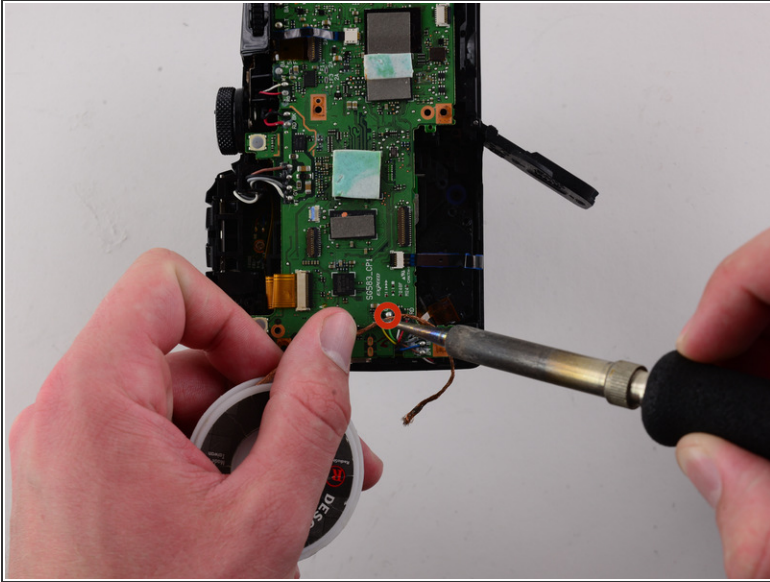
- Use a spudger to flip up the cable lock in order to release the ribbon.

Step 4



- Use a PH00 screwdriver to unscrew the four labeled 3mm metal screws on the metal backing.
- Remove the four labeled 4mm screws connected to the motherboard.
- Remove the metal support.

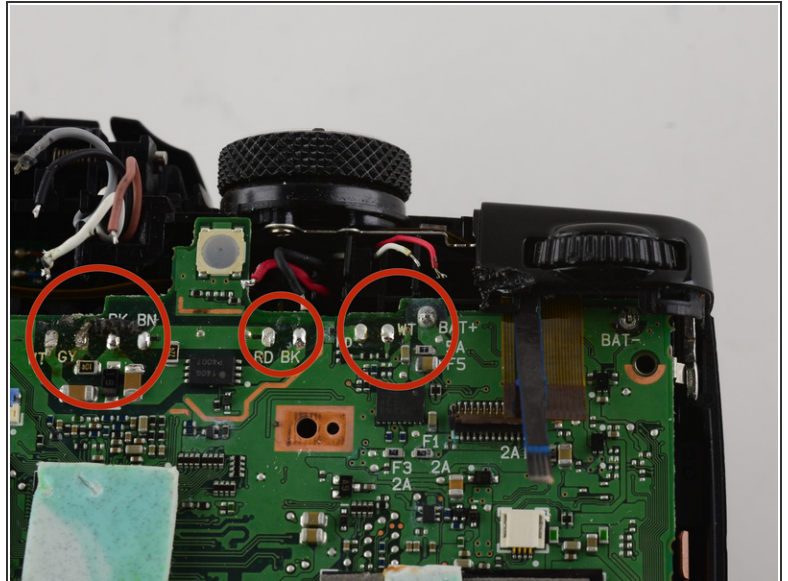
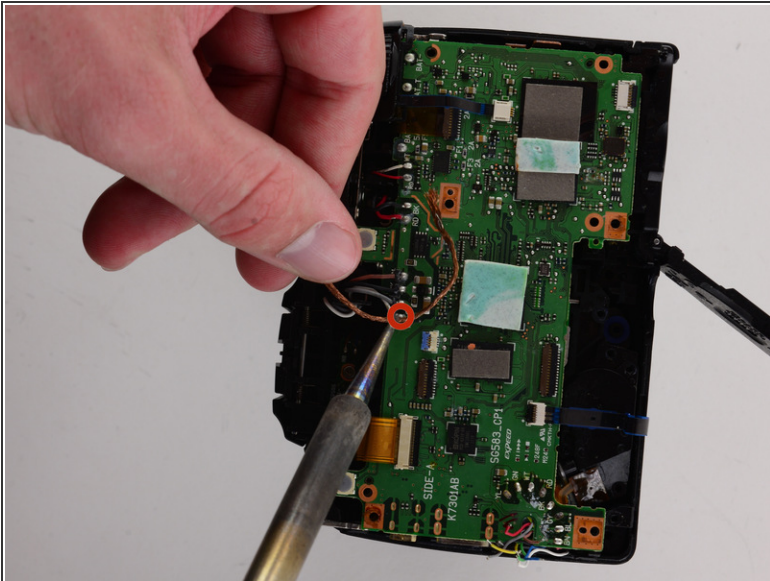
Step 5



- Desolder the labeled soldering points.

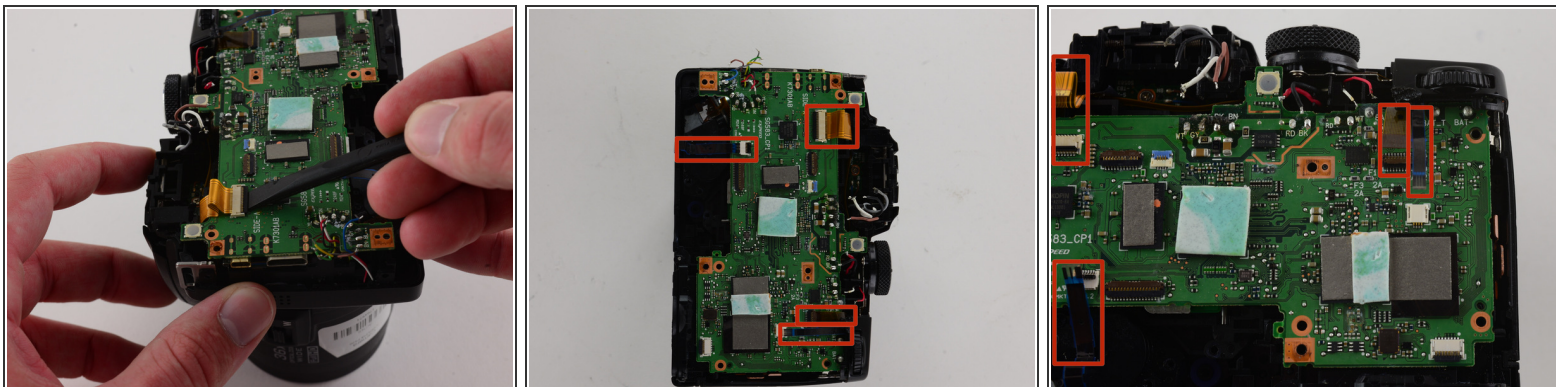
⚠ Soldering irons are very hot. They can damage your device and inflict physical harm if proper care is not taken.

Step 6



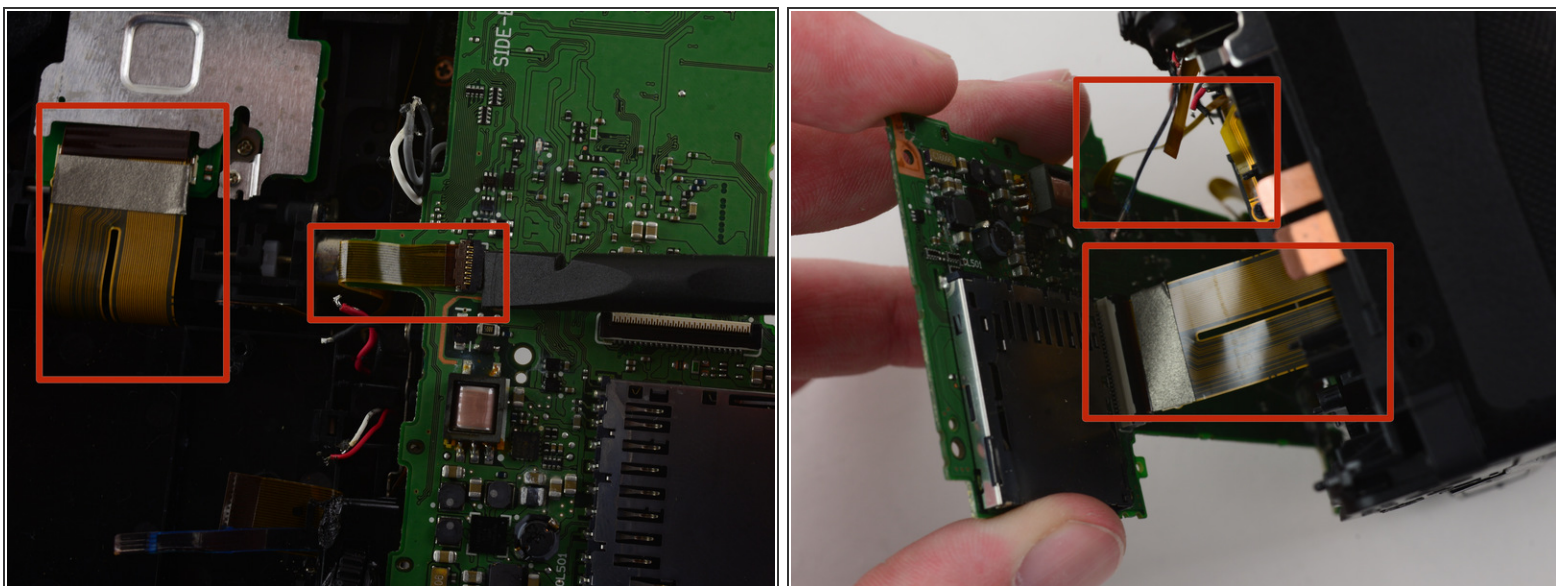
- Desolder the labeled soldering points.

Step 7



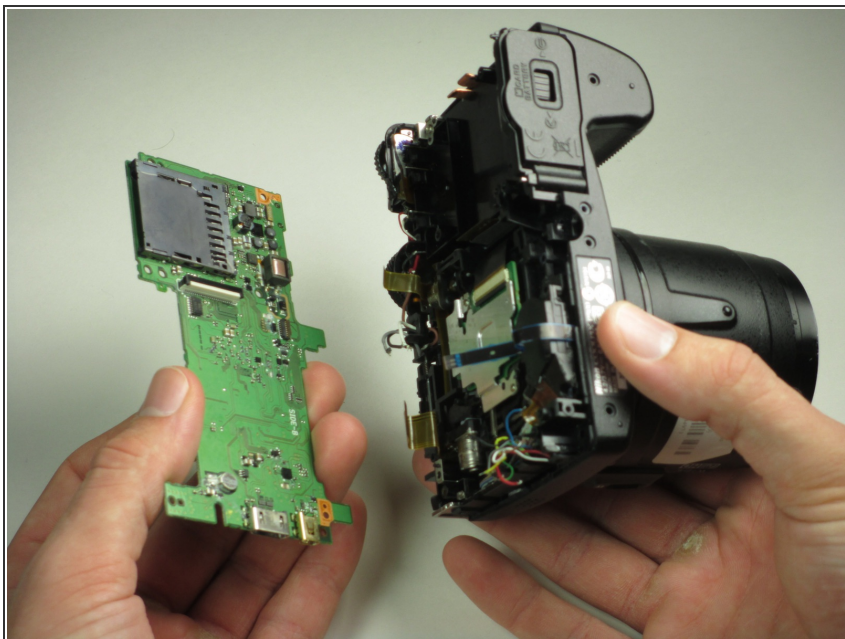
- Use a spudger to unlock the labeled connector ribbons.
- Disconnect the labeled connector ribbons.

Step 8



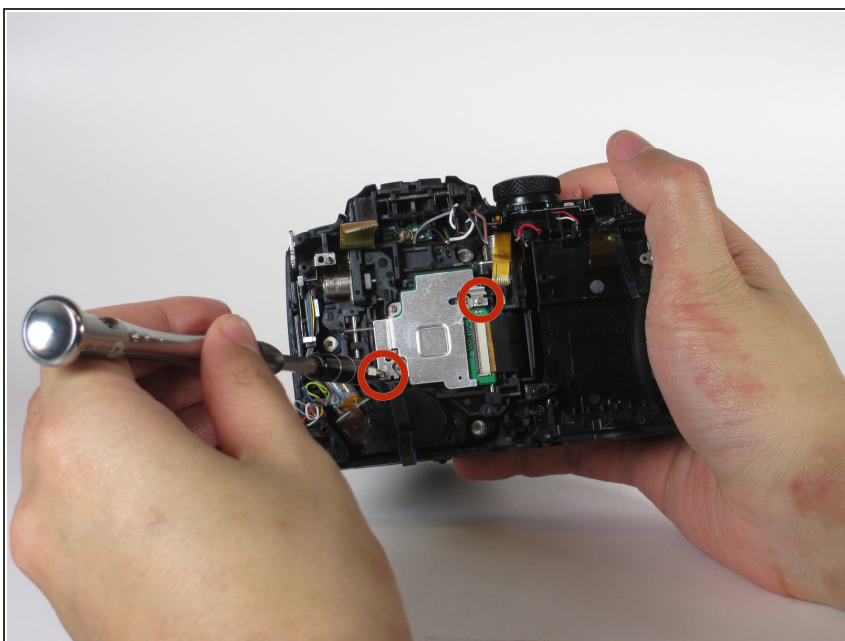
- Use a spudger to unlock the two connector ribbons.
- Disconnect the two connector ribbons.

Step 9



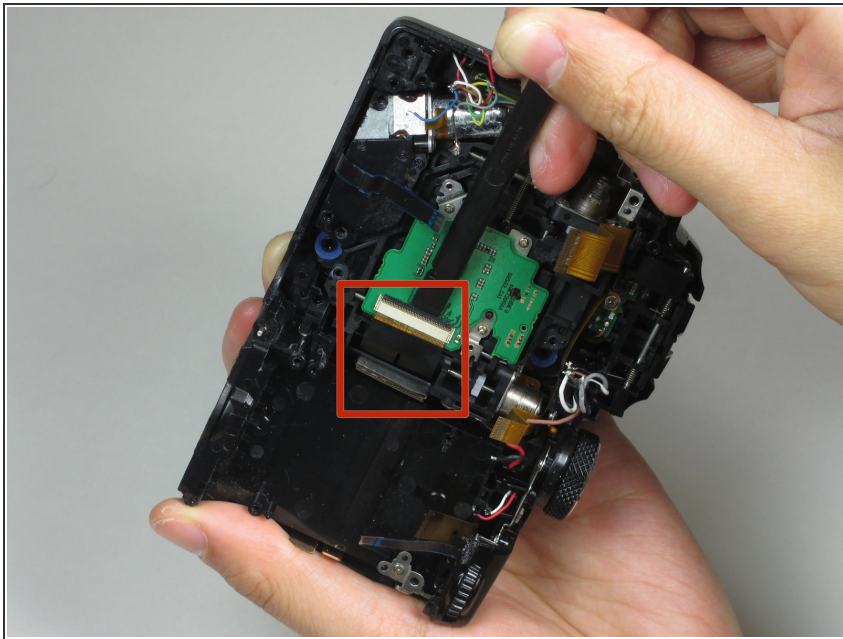
- Remove the mother board from the camera.

Step 10 — Image Sensor



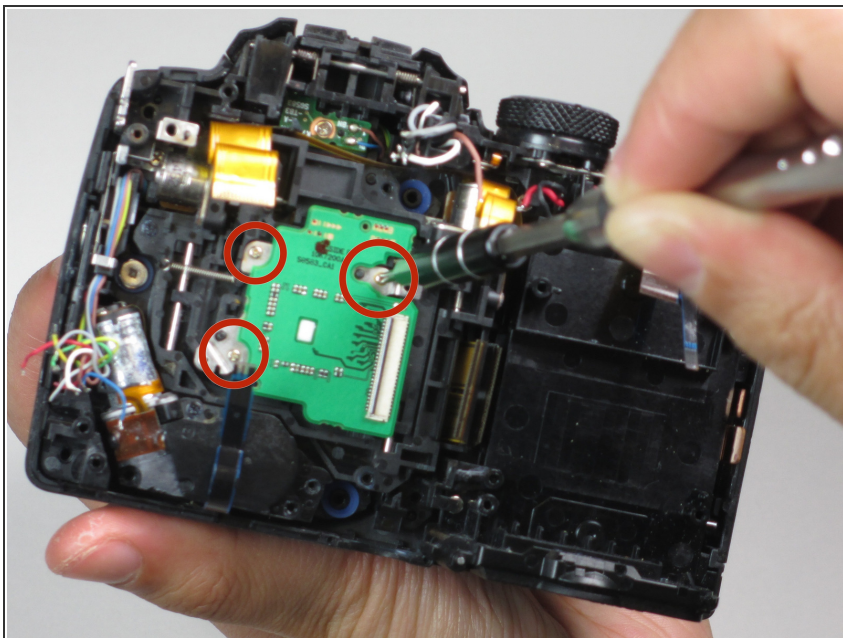
- Use a PH00 screwdriver to remove the two 2mm metal screws from the image sensor cover.

Step 11



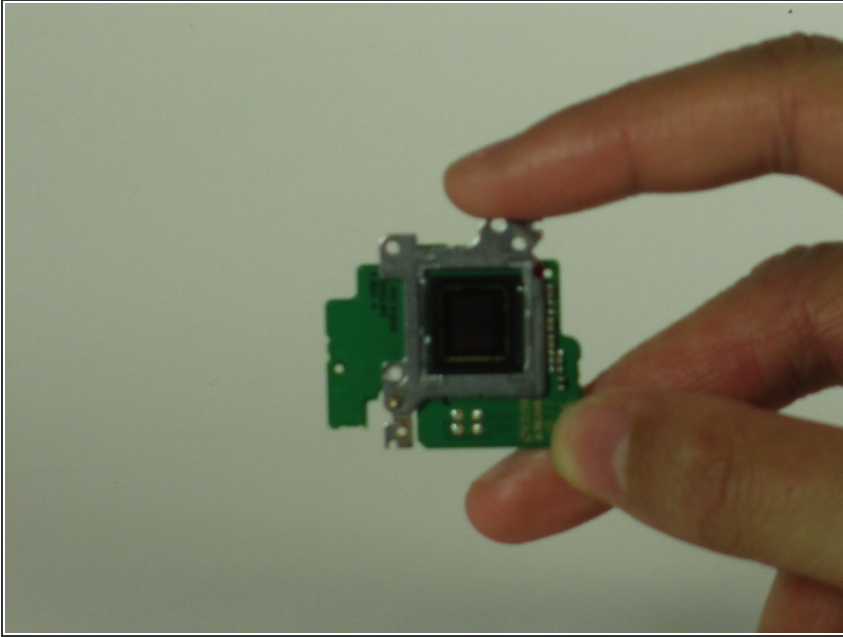
- Use a spudger to unlock the connector ribbon.

Step 12



- Use a PH00 screwdriver to remove the three 3mm screws holding the image sensor down.

Step 13



- Remove the image sensor.

To reassemble your device, follow these instructions in reverse order.

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